CONTENTS

Editorial
JOHN K. HEATH i

Clinical Trials with Haemopoietic Growth Factors
W. P. STEWARD and J. H. SCARFFE 1

The Solution Structures of Epidermal Growth Factor and Transforming Growth Factor Alpha
I. D. CAMPBELL, R. M. COOKE, M. BARON, T. S. HARVEY and M. J. TAPPIN 13

Structural Basis for Epidermal Growth Factor Receptor Function
J. J. HSUAN, G. PANAYOTOU and M. D. WATERFIELD 23

The Gene Structure of the Insulin-like Growth Factor Family
J. S. SUSSENBACH 33

Binding Proteins for the Insulin-like Growth Factors: Structure, Regulation and Function
R. C. BAXTER and J. L. MARTON 49

AP1, A Composite Transcription Factor Implicated in Abnormal Growth Control
J.-L. IMLER and B. WASYLYK 69

Fibroblast Growth Factor and Transforming Growth Factor Beta in Early Embryonic Development
G. D. PATERNO and L. L. GILLESPIE 79

Gastrin-releasing Peptide (GRP, Mammalian Bombesin) in the Pathogenesis of Lung Cancer
J. VIALLET and J. D. MINNA 89

The Amylin Superfamily: A Novel Grouping of Biologically Active Polypeptides Related to the Insulin A-Chain
G. J. S. COOPER, B. LEIGHTON, A. C. WILLIS and A. J. DAY 99

Clinical Applications of Tumour Necrosis Factor
A. L. JONES and P. SELBY 107

The Structure and Function of the *INT-2* Oncogene
C. DICKSON, R. DEED, M. DIXON and G. PETERS 123

Interleukin 6 and Plasma Cell Neoplasias
T. HIRANO and T. KISHIMOTO 133

NGF in CNS: Experimental Data and Clinical Implications
T. EBENDAL 143

G-Proteins and Second Messengers in Mitogenesis
G. MILLIGAN and M. J. O. WAKELAM 161

The Complex Relationship between Cell Division and the Control of Differentiation in Oligodendrocyte-Type-2 Astrocyte Progenitor Cells Isolated from Perinatal and Adult Rat Optic Nerves
M. NOBLE, G. WOLSWIJK and D. WREN 179

Endothelin, Its Diverse Biological Activities and Mechanisms of Action
Y. TAKUWA, M. YANAGISAWA, N. TAKUWA and T. MASAKI 195

The Fibroblast Growth Factor Family: Structural and Biological Properties
M. KLAGSBRUN 207

Bradykinin Receptors: Characterization, Distribution and Mechanisms of Signal Transduction
R. A. ROBERTS 237

Structural and Functional Aspects of the Receptors for Platelet-derived Growth Factor
B. WESTERMARK, L. CLAESSON-WELSH and C.-H. HELDIN 253

Bone Morphogenetic Proteins
J. M. WOZNEY 267

New Patents 281